CEM SYSTEMS

S9064 Controller

OVERVIEW

The S9064 Controller is an intelligent networked device, for door entry/exit control and alarm monitoring. Part of the new generation of S9000 Controllers, the S9064 is a central component of the fully expandable AC2000 integrated security management system.

The S9064 Controller provides full 10/100 Base-T Ethernet connectivity, allowing users to remotely perform database administration and monitor alarms. The administrator can use both Telnet and web-based user interfaces to remotely monitor the controller status at any time. In the event of communications failure with the host server, card transactions and alarms are stored in memory, and will be uploaded to the host when communications are restored.

The S9064 Controller supports four multidrop networks of card readers with up to 16 master readers off each port (64 total). The readers communicate with the controller using RS485 serial communications. Each master reader can additionally support a push-button, or Exit reader for egress control.

S9064 Controller

FEATURES

- Intelligent embedded network device for access control and alarm monitoring with the CEM AC2000 system
- Supports up to 64 doors (128 readers IN/OUT)
- Battery backup available in case of power failure
- 64 MB compact flash for database with expansion available
- Storage capacity for up to 250,000 card records
- TCP/IP based diagnostics/ monitoring available via web browser or Telnet
- Database is retained even in the event of battery backup failure

PRODUCT HIGHLIGHTS

Onboard Database

The S9064 Controller supports its own database of up to 250,000 card records, depending on the record format and the memory fitted. The records include card numbers, access level and time zone details.

Rack Mounted Enclosure

The S9064 Controller comes mounted in a sturdy 19-inch 1U rack-mounted enclosure providing easy integration into existing server locations. The S9064 Controller can also be wall mounted with adjustment of the supplied brackets.

Power Failure Capability

The S9064 Controller has its own external power supply and internal UPS, giving a minimum of three hours normal usage in the event of mains power failure, thus keeping potential downtime to a minimum.

Reader Networks

The reader networks connect to four RS485 serial ports on the S9064 Controller. Each port is distributed over four individual RJ45 cable connections providing ease of installation and reducing the time required to identify a faulty reader.

System Expansion

The S9064 Controller forms part of the fully scaleable AC2000 integrated access control system. It can be used to monitor access control on a small system with only a few doors, or it can form part of a large-scale access control system.

TECHNICAL SPECIFICATIONS

PHYSICAL

Size	42 x 483 x 233mm (1U x 19" x 9.2")
Weight	2.6Kg
Housing	19" rackmounted steel enclosure
Colour	Beige
Power	
- Voltage	Mains power adapter 100-240Vac (supplied) Output voltage 12Vdc @ 2.0A
- Current Consumption	300mA
- Backup Battery	Internal Lithium Ion battery giving a minimum of three hours backup time. Power fail reported to system internally.
Environmental	
- Temperature	-10° to 50°C (14° to 122°F)
- Humidity	95% non condensing
LED Indicators	Online/Offline, Ethernet connection, Activity/Status, Power and Heartbeat

FUNCTIONALITY

Inputs	Dedicated Tamper Input Dedicated Power Fail Input
Reader capacity	Four Optically isolated RS485 multidropped reader networks, each supporting up to 16 doors (32 readers IN/OUT per port)
Memory	10MB of RAM 28kB Boot Loader ROM 32MB Compact Flash Disk
Database	
- Cardholders	Storage of up to 250,000 cards per controller, with four access levels and time zone definition pairs per cardholder record.
- Transactions	Up to 250,000 transactions in offline operation, depending on amount of cardholders stored.
Configuration	Custom-made Web Browser GUI available for displaying controller status and configuration as well as alarm and transaction displaying. A Telnet client can also be used for remote diagnostics.

COMMUNICATION INTERFACE

To Card Reader	RS485 multidrop cable runs using copper wire with maximum length of 1.2km without repeater
- Connection	RJ45
To System Host	Ethernet 10/100 BaseT
- Connection	RJ45

PRODUCT CODES

DAC/390/064	S9064 Controller

Product specifications and availability is subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of their companies.

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